

Exhibit Name: Indemnity Calculations  
Exhibit Number: P21-9, Plan 90  
Record Name: Acreage Claim  
Record Code: P21

Reinsurance Year: 2011  
Version: DRAFT  
Release Date: 9/29/2011

Insurance Plan Code		90 Actual Production History		
<u>Commodity Code</u>	0012 Blueberries	0049 Safflower	0094 Rye	0223 Fresh Freestone Peaches
	0013 Onions	0052 Table Grapes	0102 Grass Seed	0224 Early & Midseason Oranges
	0016 Oats	0053 Grapes	0105 Fresh Market Beans	0225 Late Oranges
	0017 Millet	0054 Apples	0107 Alfalfa Seed	0226 All Other Grapefruit
	0019 Avocados	0055 Culti Wild Rice	0114 Buckwheat	0228 Ruby Red Grapefruit
	0022 Cotton Extra Long	0058 Cranberries	0147 Pumpkins	0229 Flue Cured Tobacco
	0023 Macadamia Nuts	0059 Silage Sorghum	0156 Sweet Potatoes	0230 Fire Cured Tobacco
	0028 Almonds	0060 Figs	0201 Grapefruit	0231 Burley Tobacco
	0029 Walnuts	0064 Green Peas	0202 Lemons	0232 Maryland Tobacco
	0031 Flax	0067 Dry Peas	0205 Mandarins	0233 Dark Air Tobacco
	0033 Forage Production	0069 Mustard	0206 Minnelo Tangelos	0234 Cigar Filler Tobacco
	0034 Peaches	0072 Cabbage	0215 Navel Oranges	0235 Cigar Bindr Tobacco
	0036 Prunes	0074 Mint	0216 Sweet Oranges	0236 Cigar Wrapper Tobacco
	0038 Sugar Cane	0075 Peanuts	0217 Valencia Oranges	0237 Orlando Tangelos
	0039 Sugar Beets	0084 Potatoes	0218 Fresh Apricots	0238 Rio Red & Star Ruby
	0042 Sweet Corn	0086 Fresh Tomatoes	0219 Processing Apricots	0255 Banana
	0043 Popcorn	0087 Tomatoes	0220 Fresh Nectarines	0256 Coffee
	0046 Canning Beans	0089 Pears	0221 Processing Cling Peaches	0257 Papaya
	0047 Dry Beans	0092 Fresh Plums	0222 Processing Freestone	0396 Sesame

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Stage Guarantee Calculation						
<del>When Units Of Measure equals LBS, "09" Without Acreage Limitation:</del>  Guarantee Per Acre1 = Approved Yield * Coverage Level Percent * Stage Percent Factor	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
	Stage Percent Factor	ICE or P21	TBA	999.99	None	Edit with ICE Stage Factor, "D00069". Onions "0013", only, if stage code equal "1 or 2" percent will be submitted on P21 and verified with ICE Stage Factor, "D00069".

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Cottonseed Endorsement Option "SE":  Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	46	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	
Premium-Acre-Stage-Guarantee-Amount = Guarantee Per Acre1 * Guarantee Adjustment Factor Quantity	Premium-Acre-Guarantee-Quantity	Internal		99999999.99	Round to whole number.	
	Acre-Stage-Guarantee-Amount	P21	36	99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	
Acre-Stage-Guarantee-Amount = Premium-Acre-Guarantee-Quantity * Stage-Percent-Factor	Acre-Stage-Guarantee-Amount	P21	36	99999999.99	Round to whole number.	
	Stage-Percent-Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".
When Units Of Measure equals Tons, "12":  Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to 2 decimals.	
	Approved Yield	P11	47	99999999.99	None	
	Coverage Level Percent	P14	33	9.9999	None	
Premium-Acre-Guarantee-Quantity = Guarantee Per Acre1 * Guarantee Adjustment Factor	Premium-Acre-Guarantee-Quantity	Internal		99999999.99	Round to 2 decimals.	
	Guarantee Adjustment Factor	P11	41	0.999		
Acre-Stage-Guarantee-Amount = Premium-Acre-Guarantee-Quantity * Stage-Percent-Factor	Acre-Stage-Guarantee-Amount	P21	36	99999999.99	Round to 2 decimals.	
	Stage-Percent-Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".

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<p>With Acreage Limitation - <del>Cabbage (except processing), Onions (when provided by Special Provisions) and Potatoes (Certified Seed), and Hawaii Tropical Fruit all other Units of Measure:</del></p> <p>(Approved Yield * Coverage Level Percent) * <del>Historical-Packout Factor</del> Yield Conversion Factor * Stage Percent Factor</p> <p>Guarantee Per Acre1 = <del>Packout Factor</del> Yield Conversion Factor * Stage Percent Factor</p>	Guarantee Per Acre1	Internal		99999999.99	<p>When Unit of Measure equals Pounds, "LBS", then round to whole number.</p> <p>When Unit of Measure equals Tons, "Tons", then round to 2 decimals.</p> <p>Otherwise, Round to 1 decimal.</p>	
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
	<del>Historical-Packout Factor</del>	<del>Internal</del>		<del>9.999</del>	<del>None</del>	
	Yield Conversion Factor	P11	63	9.999	None	
	Stage Percent Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069". Onions "0013", only, if stage code equal "1 or 2" percent will be submitted on P21 and verified with ICE Stage Factor, "D00069".
<p>With Acreage Limitation - <del>Cabbage (except processing), Onions (when provided by Special Provisions), Potatoes (Certified Seed),</del> Fresh Market Beans, Sweet Potatoes, and Hawaii Tropical Fruit <del>all other Units of Measure:</del></p> <p>Guarantee Per Acre1 = (Approved Yield * Coverage Level Percent) * Yield Conversion Factor</p>	Guarantee Per Acre1	Internal		99999999.99	<p>When Unit of Measure equals Pounds, "LBS", then round to whole number.</p> <p>Otherwise, round to 1 decimal.</p>	
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
	Yield Conversion Factor	P11	63	9.999	None	

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Guarantee-Per-Acre2 = Guarantee-Per-Acre1 * Yield-Conversion-Factor	Guarantee-Per-Acre2	Internal		99999999.99	Round-to-1-decimal.	
	Yield-Conversion-Factor	P11	62	9.999	None	
Premium-Acre-Stage Guarantee Amount = Guarantee-Per-Acre12 * Guarantee-Adjustment-Factor Quantity-	Premium-Acre-Guarantee-Quantity-	Internal		99999999.99	Round-to-whole-number.-	
	Acre-Stage-Guarantee-Amount	P21	36	99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Guarantee-Adjustment-Factor	P11	75	0.999	None	
	Acre-Stage-Guarantee-Amount	P21	36	99999999.99	When Units-Of-Measure equals Cartons, "04" or Hundredweight, "08", then round to 1 decimal.  Otherwise round to 2-decimals.	
Acre-Stage-Guarantee-Amount = Premium-Acre-Guarantee-Quantity * Stage-Percent-Factor	Stage-Percent-Factor	ICE		999.99	None	Edit-with-ICE-Stage-Factor, "D00069".
Section 2: Loss Guarantee Calculation						
Loss Guarantee Amount = Acre-Stage-Guarantee-Amount * Determined-Acreage * Liability-Adjustment-Factor	Loss Guarantee Amount	P21	48	99999999.99	When Unit of Measure equals Barrels, "01" or Pounds, "09" Tons then round to 1 decimal.  Otherwise, round to whole number.	
	Determined-Acreage	P21	17	99999999.99	None	
	Liability-Adjustment-Factor	P21	39	9.999999	None	
For Mustard (commodity 0069):  Loss Guarantee Amount = Round((Lesser of "Determined Pounds or Acreage, 0)) * Liability-Adjustment-Factor	Loss Guarantee Amount	P21	48	99999999.99	Round to whole number.	
	Determined Pounds	P21	20	9999999999	None	
	Determined Acreage	P21	17	99999999.99	None	
	Liability-Adjustment-Factor	P21	39	9.999999	None	

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Section 3: Indemnity Calculation						
Unit Deficiency Quantity = Loss Guarantee Amount – Production to Count Quantity	Unit Deficiency Quantity	P21	47	S9999999.99	When Units of Measure equals Barrels-Dollars, "07" or Pounds, "09" Tons then round to whole number ± decimal.  Otherwise, Round to 1 decimal whole number.	
	Production to Count Quantity	P21	34	9999999.99	None	
Preliminary Indemnity Amount = $\frac{\text{Unit Deficiency Quantity} * \text{Price Election Percent} - \text{Amount} * \text{Stage Price Percent Factor} * \text{Insured Share Percent}}{\text{Percent}}$	Preliminary Indemnity Amount	P21	50	S999999999	Round to whole number.	
	Price Election Percent Amount	ICE-P11	49	9999.9999	None	Edit with ICE Price Election Percent, "D00007".
	Stage Price Percent Factor	ICE		999.99	None	Edit with ICE Stage Factor, "D00069".
	Insured Share Percent	P11	47	9.999	None	
Indemnity Amount = $\frac{\text{Preliminary Indemnity Amount} * \text{Multiple Commodity Adjustment Factor}}{\text{Adjustment Factor}}$	Indemnity Amount	P21	51	S999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
When CEO Coverage Level is greater than zero:						
CEO Indemnity Factor = $\frac{\text{CEO Coverage Level} - \text{Coverage Level Percent}}{\text{Coverage Level Percent}}$	CEO Indemnity Factor	P21-Internal	47	9.99999	Round to 5 decimals.	
	CEO Coverage Level	ICE-P11	68	9.9999	None	Edit with ICE Coverage Level, "D00054".
	Coverage Level Percent	P14	34	9.9999	None	
Indemnity Amount = $\text{Indemnity Amount} * \text{CEO Indemnity Factor}$	Indemnity Amount	P21	51-50	S999999999	Round to whole number.	
Section 4: Replant Payment Guarantee Calculation						
When Stage Code equals: Replanted, "R", Replanted Seed, "RS", Replanted Transplant, "RT"						
Stage Guarantee Per Acre = $\frac{\text{Maximum Replant Guarantee Per Acre}}{\text{Stage Guarantee Per Acre}}$	Stage Guarantee Per Acre	P21	50	99999999.99	Round to whole number.	When Commodity Code is Popcorn, "0043", Rice, "0018", Fresh Market Tomatoes, "0086", or Peanuts, "0075".
Guarantee per Acre1 = $\text{Approved Yield} * \text{Coverage Level Percent}$	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Approved Yield	P11	46	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	

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<del>Premium Acre</del> Guarantee Per Acre2 Quantity = Guarantee Per Acre1 * Guarantee Adjustment Factor	<del>Premium Acre</del> Guarantee Per Acre2 Quantity	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	
	Guarantee Adjustment Factor	P11	75	0.999	None	<del>Guarantee Adjustment Factor must equal 1.000 when Commodity Code is Peanuts, "0075".</del>
Lesser of:  Insured's Actual Cost  Or  <del>Premium Acre</del> Guarantee Per Acre2 Quantity * Stage-Percent Factor * 0.20 (0.10 for Dry Beans and Sugar Beets, 0.07 for Onions, 0.25 for Calif. Tomatoes)  Or  Maximum Replant Guarantee Per Acre	Acre Stage Guarantee Amount	P21	36	99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals.  Otherwise, round to 1 decimal.	The 'lesser of' amount will be submitted in the Acre Stage Guarantee field.
	Insured's Actual Cost	P21	36	99999999.99		Insured's Actual Cost will be submitted in Acre Stage Guarantee Amount field if lesser of.
	Guarantee Per Acre2	Internal		99999999.99		
	Stage-Percent Factor	ICE		999.99	None	<del>Stage-Percent Factor equals 0.10, when Commodity Code is Dry Beans, "0047", Sugar Beets, "0039".</del>  <del>Stage-Percent Factor equals 0.25 when Commodity Code is Tomatoes, "0087".</del>  <del>Stage-Percent Factor equals 0.22 when Commodity Code is Onions, "0013" in Location State Code, New York, "36". For all other Location States, Stage-Percent Factor</del>
	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00204129".

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Commodity Code equals Peanuts "0075"          Lesser of:  Acre Stage Guarantee = Amount  Premium Acre Guarantee Per Acre2 Quantity * 0.20 * (Pricing Election Amount or Weighted Average Price)  Or  Maximum Replant Guarantee Per Acre	Acre Stage Guarantee Amount	P21	36	99999999.99	When Unit of Measure equals Pounds, "LBS", then round to whole number.  When Unit of Measure equals Tons, "Tons", then round to 2 decimals. Round to nearest dollar and cents. Otherwise, round to 1 decimal.	
	Guarantee Per Acre2	Internal		99999999.99		
	Price Election Amount	ADM-P11	49	9999.9999	None	
	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00201129".
Section 5: Replant Payment Loss Guarantee Calculation						
Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	48	99999999.99	When Unit of Measure equals Barrels, "01" or Tons, "12" then round to 1 decimal.  Otherwise, round to whole number.	
	Determined Acreage	P21	17	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	
Section 6: Replant Payment Indemnity Calculation						
Indemnity Amount = Loss Guarantee Amount * Price Election Amount * Insured Share Percent	Indemnity Amount	P21	51	S9999999999	Round to whole number.	
	Price Election Amount	ADM-P11		9999.9999	None	Price Election Amount equals 1.000 when Commodity Code equals Peanuts, "0075".  Edit with the Price ADM, "A00810".
	Insured Share Percent	P11	47	9.999	None	
Commodity Code equals Peanuts "0075"          Indemnity Amount = Loss Guarantee Amount * Insured Share Percent	Indemnity Amount	P21	51	S9999999999	Round to whole number.	
	Insured Share Percent	P11	47	9.999	None	